

BEST AVAILABLE COPY

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2000025167 A

(43) Date of publication of application: 25.01.2000

(51) Int. Cl. B32B 27/28

B65D 65/40

// C08K 3/00, C08K 3/08, C08L 23/04, C08L 23/16

(21) Application number: 10198770

(22) Date of filing: 14.07.1998

(71) Applicant: NIPPON PAPER INDUSTRIES CO LTD

JUJO CENTRAL KK

(72) Inventor: HIROSHIGE KOICHIRO
HAMAMURA MASAHIRO
OMORI KEIICHI

(54) WRAPPING FILM FOR ANTIBACTERIAL PACKAGING

(57) Abstract:

PROBLEM TO BE SOLVED: To enhance the easy tear properties, suitability for a microwave oven, adhesive properties to a container or the like by blending a specific ethylene resin with a specified physical quantity such as density with a specified amount of propylene resin, a regenerated resin and an antibacterial agent for both outer layers and forming an intermediate layer of a thermoplastic resin with a specified physical quantity such as melt point.

SOLUTION: Both outer layers of the wrapping film are

formed of a resin composition, consisting of 99-80 pts.wt. ethylene resin which is selected from an ethylene homopolymer, an ethylene-vinyl ester copolymer and an ethylene-unsaturated carboxylate copolymer 1-10 pts.wt. ethylene-propylene-butene 1 copolymer with 35-80 wt.% propylene content as a repeating unit, 0-30 pts.wt. regenerated resin and 0.001-5 pts.wt. antibacterial agent, with 0.920-0.935 g/cm³ density, 2-10 g/10 min. melt flow rate(MF) and 0.6 wt.% or more n-hexane extraction. An intermediate layer which accounts for 5-30% of the thickness of the wrapping film is a thermoplastic resin with 150° or more melt point and 2-20° MF.

COPYRIGHT: (C)2000,JPO